

Author index

- AARDEN, L. A. *see* TELLING, J. L.
 ABO, T. *see* HALDER, R. C.
 ABRAHAM, D. J. *see* DENTON, C. P.
 ACCARDO, P. *see* DI BONA, D.
 AFZELIUS, P. *see* NIELSEN, S. D.
 AGREWALA, J. N. & WILKINSON, R. J. Differential regulation of Th1 and Th2 cells by p91-110 and p21-40 peptides of the 16-kD α -crystallin antigen of *Mycobacterium tuberculosis*, 392
 AKOL, H. *see* DIELEMAN, L. A.
 ALEMÁN, M. *see* SASIAIN, M. DEL C.
 ALGUERO, A. *see* LABRADOR, M.
 ALPERS, J. H. *see* WANG, S.-Z.
 ALVAR, J. *see* MEDRANO, F. J.
 AMMERLAAN, W. *see* DEMOTZ, S.
 ANGEL, J. B. *see* KUMAR, A.
 ASAI, T. *see* WAKISAKA, S.
 ASSELIN, S., CONJEAUD, H., FRADELIZI, D. & BREBAN, M. *In vitro* differentiation of peripheral blood T cells towards a type 2 phenotype is impaired in rheumatoid arthritis (RA), 284
 AUKRUST, P. *see* NORDOY, I.
 BAGENSTOSE, L. M., SALGAME, P. & MONESTIER, M. Mercury-induced autoimmunity in the absence of IL-4, 9
 BAGNARD, G. *see* ROSTOKER, G.
 BAKHIET, M., MUSTAFA, M., ZHU, J., HARRIS, R., LINDQUIST, L., LINK, H. & DIAB, A. Induction of cytokines and anti-cytokine autoantibodies in cerebrospinal fluid (CSF) during experimental bacterial meningitis, 398
 BANNER, B. *see* LOGAN, T. F.
 BANNERJEE, D. *see* CHATTERJEE, M.
 BARBEY, C. *see* DEMOTZ, S.
 BARCELLINI, W. *see* RIZZARDI, G. P.
 BASCONE, F. *see* DI BONA, D.
 BASU, D. *see* CHATTERJEE, M.
 BASU, K. *see* CHATTERJEE, M.
 BATTEZZATI, P. M. *see* INVERNIZZI, P.
 BELLAVIA, D. *see* DI BONA, D.
 BELLINI, A. *see* BROWN, J. R.
 BELLONI, C. *see* SARUGERI, E.
 BENTWICH, Z. *see* KALINKOVICH, A.
 BIGNOTTO, M. *see* INVERNIZZI, P.
 BLACK, C. M. *see* DENTON, C. P.
 BLEEKER, W. K. *see* TEELING, J. L.
 BLOEMENA, E. *see* DIELEMAN, L. A.
 BOA, F. *see* PELLI, N.
 BONIFACIO, E. *see* SARUGERI, E.
 BORZI, R. M. *see* GRIGOLO, B.
 BOWDEN, J. J. *see* WANG, S.-Z.
 BRAI, M. *see* DI BONA, D.
 BREBAN, M. *see* ASSELIN, S.
 BREGENHOLT, S., BRIMNES, J., REIMANN, J. & CLAESSON, M. H. Accumulation of immunoglobulin-containing cells in the gut mucosa and presence of faecal immunoglobulin in severe combined immunodeficient (scid) mice with T cell-induced inflammatory bowel disease (IBD), 19
 BRIMNES, J. *see* BREGENHOLT, S.
 BROWN, J. R., KLEIMBERG, J., MARINI, M., SUN, G., BELLINI, A. & MATTOLI, S. Kinetics of eotaxin expression and its relationship to eosinophil accumulation and activation in bronchial biopsies and bronchoalveolar lavage (BAL) of asthmatic patients after allergen inhalation, 137
 BRYNIARSKI, K. *see* PTAK, W.
 CAFFORIO, P. *see* FRASSANITO, M.A.
 CAMARDA, G. *see* FRASSANITO, M.A.
 CAMERON, W. D. *see* KUMAR, A.
 CAÑAVATE, C. *see* MEDRANO, F. J.
 CARLSEN, S., HANSSON, A.-S., OLSSON, H., HEINEGÅRD, D. & HOLM-DALH, R. Cartilage oligomeric matrix protein (COMP)-induced arthritis in rats, 477
 CARLSTEN, H. *see* TAUBE, M.
 CHAPMAN, C. J. *see* MOCKRIDGE, C. I.
 CHATTERJEE, M., BASU, K., BASU, D., BANNERJEE, D., PRAMANIK, N., GUHA, S. K., GOSWAMI, R. P., SAHA, S. K. & MANDAL, C. Distribution of IgG subclasses in antimonial unresponsive Indian kala-azar patients, 408
 CHIANG, T. J. *see* HUSSAIN, R.
 CLAESSON, M. H. *see* BREGENHOLT, S.
 CLEMENZA, L. *see* DI BONA, D.
 COHEN TERVAERT, J. W. *see* MULLER KOBOLD, A. C.
 CONJEAUD, H. *see* ASSELIN, S.
 CONNAUGHTON, J. J. *see* O'HARA, A. M.
 COOKSON, S. *see* RIZZARDI, G. P.
 COPELAND, K. F. T., MCKAY, P. J., NEWTON, J. J. & ROSENTHAL, K. L. Enhancement of HIV-1 replication in human macrophages is induced by CD8⁺ T cell soluble factors, 87
 CORMAN, J. M., SERCARZ, E. E. & NANDA, N. K. Recognition of prostate-specific antigenic peptide determinants by human CD4 and CD8 T cells, 166
 CORRADIN, G. *see* EBERL, G.
 CRAXI, A. *see* DI BONA, D.
 CROSGNANI, A. *see* INVERNIZZI, P.
 CRUZ, C. R. B. *see* SOUZA, A. R.
 CRYZ, S. *see* SAUERWEIN-TESSL, M.
 CSERNOK, E. *see* MOOSIG, F.
 D'AGOSTINO, C. *see* MASTROIANNI, C. M.
 DAFTARIAN, M. P. *see* KUMAR, A.
 DAHA, M. R. *see* FIJEN, C. A. P.
 DALGLEISH, A. G. *see* RIZZARDI, G. P.
 DAMMACCO, F. *see* FRASSANITO, M.A.
 DANKERT, J. *see* FIJEN, C. A. P.
 DANKERT, J. *see* PRINS, J. M.
 DE BOER, B. A., KRUIZE, Y. C. M. & YAZDANBAKHSH, M. *In vitro* production of IgG4 by peripheral blood mononuclear cells (PBMC): the contribution of committed B cells, 252
 DE GROOT, E. R. *see* TEELING, J. L.
 DE HAAS, M. *see* MULLER KOLBOLD, A. C.
 DE LA BARRERA, S. *see* SASIAIN, M. DEL C.
 DEL PAPA, N. *see* INVERNIZZI, P.
 DEMOTZ, S., AMMERLAAN, W., FOURNIER, P., MULLER, C. P. & BARBEY, C. Processing of the DRB1*1103-restricted measles virus nucleoprotein determinant 185-199 in the endosomal compartment, 228
 DENTON, C. P., SHI-WEN, X., SUTTON, A., ABRAHAM, D. J., BLACK, C. M. & PEARSON, J. D. Scleroderma fibroblasts promote migration of mononuclear leucocytes across endothelial cell monolayers, 293
 DERKX, B. H. F. *see* PRINS, J. M.
 DI BONA, D., MONTALTO, G., CLEMENZA, L., BASCONE, F., ACCARDO, P., BELLAVIA, D., CRAXI, A. & BRAI, M. Soluble complement receptor type 1 (sCR1) in chronic liver diseases: serum levels at different stages of liver diseases, 102
 DIAB, A. *see* BAKHIET, M.
 DIAZ-MITOMA, F. *see* KUMAR, A.
 DIELEMAN, L. A., PALMEN, M. J. H. J., AKOL, H., BLOEMENA, E., PEÑA, A. S., MEUWISSEN, S. G. M. & VAN REES, E. P. Chronic experimental colitis induced by dextran sulphate sodium (DSS) is characterized by Th1 and Th2 cytokines, 385
 DINAN, L. *see* RIDINGS, J.
 DIAZ, C. *see* LABRADOR, M.
 DOBASHI, H. *see* TAKATA, Y.
 DOCKRELL, H. M. *see* HUSSAIN, R.

- DOMSCHKE, W. *see* LÜGERING, N.
DOZIO, N. *see* SARUGERI, E.
DRIFHOOT, J. W. *see* TEN DAM, M.
DROGARI-APIRANTHITOU, M. *see* FIJEN, C. A. P.
- EBERL, G., JIANG, S., YU, Z., SCHNEIDER, P., CORRADIN, G. & MACH, J.-P. An anti-CD19 antibody coupled to a tetanus toxin peptide induces efficient Fas ligand (FasL)-mediated cytotoxicity of a transformed human B cell line by specific CD4⁺ T cells, 173
ECONOMOU, A. *see* POLIHONIS, M.
EERENBERG, A. J. M. *see* TEELING, J. L.
EGUCHI, K. *see* NAKAMURA, H.
EITAN, S. *see* KALINKOVICH, A.
ELIAS, N. *see* SHAPIRO, S.
ERNSTOFF, M. S. *see* LOGAN, T. F.
ERSBOLL, A. K. *see* NIELSEN, S. D.
- FABBRI, M. *see* GRIGOLO, B.
FACCHINI, A. *see* GRIGOLO, B.
FAQUIM-MAURO, E. L. & MACEDO, M. S. The immunosuppressive activity of *Ascaris suum* is due to high molecular weight components, 245
FARIÑA, M. H. *see* SASIAIN, M. DEL C.
FASANO, L. *see* GRIGOLO, B.
FASS, D. N. *see* SUN, J.
FAZLE AKBAR, SK. MD. *see* YAMAMOTO, K.
FENSOM, A. H. *see* PELL, N.
FERNIE, B. A. *see* O'HARA, A. M.
FIJEN, C. A. P., KUIJPER, E. J., DROGARI-APIRANTHITOU, M., VAN LEEUWEN, Y., DAHA, M. R. & DANKERT, J. Protection against meningococcal serogroup ACYW disease in complement-deficient individuals vaccinated with the tetravalent meningococcal capsular polysaccharide vaccine, 362
FILION, L. *see* KUMAR, A.
FINIASZ, M. *see* SASIAIN, M. DEL C.
FINK, S. *see* SASIAIN, M. DEL C.
FLEMING, T. P. *see* MOCKRIDGE, C. I.
FORSYTH, K. D. *see* WANG, S.-Z.
FOURNIER, P. *see* DEMOTZ, S.
FRADELIZI, D. *see* ASSELIN, S.
FRASSANITO, M. A., SILVESTRIS, F., SILVESTRIS, N., CAFFORIO, P., CAMARDA, G., IODICE, G. & DAMMACCO, F. Fas/Fas ligand (FasL)-deregulated apoptosis and IL-6 insensitivity in highly malignant myeloma cells, 179
FROLAND, S. S. *see* NORDOY, I.
FUJIMOTO, J. *see* IWASAKI, T.
- GARCÍA-LOZANO, J. R., GONZÁLEZ-ESCRIBANO, M. F., RODRÍGUEZ, R., RODRÍGUEZ-SANCHEZ, J. L., TARGOFF, I. N., WICHMANN, I. & NÚÑEZ-ROLDÁN, A. Detection of anti-PL-12 autoantibodies by ELISA using a recombinant antigen; study of the immunoreactive region, 161
GARCÍA-VALERO, J. *see* LABRADOR, M.
GAWKRODGER, D. J. *see* KEMP, E. H.
GAZZARD, B. G. *see* MOORE D. A. J.
GEHRING, H. *see* ROTH-ISIGKEIT, A.
GELI, C. *see* LABRADOR, M.
GELPI, C. *see* LABRADOR, M.
GERKEN, G. *see* KNOLLE, P. A.
GERSHTEIN, V. *see* SHAPIRO, S.
GESZTESI, J.-L. *see* SOUZA, A. R.
GLÜCK, R. *see* SAUERWEIN-TESSL, M.
GOCKEL, H. *see* LÜGERING, N.
GONZÁLEZ-ESCRIBANO, M. F. *see* GARCÍA-LOZANO, J. R.
GOSWAMI, R. P. *see* CHATTERJEE, M.
GREENBERG, Z. *see* KALINKOVICH, A.
GRIGOLO, B., MAZZETTI, I., BORZI, R. M., HICKSON, I. D., FABBRI, M., FASANO, L., MELICONI, R. & FACCHINI, A. Mapping of topoisomerase II α epitopes recognized by autoantibodies in idiopathic pulmonary fibrosis, 339
GRIUNCELLI, M. *see* ROSTOKER, G.
GROSS, W. L. *see* MOOSIG, F.
GRUBECK-LOEBENSTEIN, B. *see* SAUERWEIN-TESSL, M.
GUHA, S. K. *see* CHATTERJEE, M.
- HACK, C. E. *see* TEELING, J. L.
HALDER, R. C., SEKI, S., WEERASINGHE, A., KAWAMURA, T., WATANABE, H. & ABO, T. Characterization of NK cells and extrathymic T cells generated in the liver of irradiated mice with a liver shield, 434
HAMANO, T. *see* IWASAKI, T.
HANIKÝROVÁ, M. *see* REDDY, R. K.
HANSEN, J.-E. S. *see* NIELSEN, S. D.
HANSSON, A.-S. *see* CARLSÉN, S.
HARRIS, R. *see* BAKHET, M.
HASEGAWA, Y. *see* WAKAYAMA, H.
HEGENBARTH, S. *see* KNOLLE, P. A.
HEINEGÅRD, D. *see* CARLSÉN, S.
HENDERSON, D. *see* MOORE D. A. J.
HICKSON, I. D. *see* GRIGOLO, B.
HIRAIDE, H. *see* TAKATA, Y.
HOBART, M. J. *see* O'HARA, A. M.
HOKIBARA, S., TAKAMOTO, M., ISOBE, M. & SUGANE, K. Effects of monoclonal antibodies to adhesion molecules on eosinophilic myocarditis in *Toxocara canis*-infected CBA/J mice, 236
HOLMDAHL, R. *see* CARLSÉN, S.
HOMBURGER, H. A. *see* SUN, J.
HUMMEL, A. M. *see* SUN, J.
HUSSAIN, R., DOCKRELL, H. M., SHAHID, F., ZAFAR, S. & CHIANG, T. J. Leprosy patients with lepromatous disease recognise cross-reactive T cell epitopes in the *Mycobacterium leprae* 10-kD antigen, 204
- INVERNIZZI, P., BATTEZZATI, P. M., CROSIGNANI, A., ZERMIANI, P., BIGNOTTO, M., DEL PAPA, N., ZUIN, M. & PODDA, M. Antibody to carbonic anhydrase II is present in primary biliary cirrhosis (PBC) irrespective of antimitochondrial antibody status, 448
IODICE, G. *see* FRASSANITO, M. A.
ISENBERG, D. A. *see* MOCKRIDGE, C. I.
ISOBE, M. *see* HOKIBARA, S.
IWASAKI, T., HAMANO, T., FUJIMOTO, J., OGATA, A. & KAKISHITA, E. Regulation of cytokine expression by an autoreactive B cell clone derived from MRL/MP-lpr/lpr mice, 1
- JIANG, S. *see* EBERL, G.
JOHNSSON, C. *see* LARSSON, P.
- KAKISHITA, E. *see* IWASAKI, T.
KALINKOVICH, A., WEISMAN, Z., GREENBERG, Z., NAHMIA, J., EITAN, S., STEIN, M. & BENTWICH, Z. Decreased CD4 and increased CD8 counts with T cell activation is associated with chronic helminth infection, 414
KALLENBERG, C. G. M. *see* MULLER KOBOLD, A. C.
KAMEZAWA, Y. *see* TAKATA, Y.
KANEKO, A. *see* WAKISAKA, S.
KAWABE, T. *see* WAKAYAMA, H.
KAWABE, Y. *see* NAKAMURA, H.
KAWAKAMI, A. *see* NAKAMURA, H.
KAWAMURA, T. *see* HALDER, R. C.
KEMP, E. H., GAWKRODGER, D. J., WATSON, P. F. & WEETMAN, A. P. Autoantibodies to human melanocyte-specific protein Pmel17 in the sera of vitiligo patients: a sensitive and quantitative radioimmunoassay (RIA), 333
KIKUTANI, H. *see* WAKAYAMA, H.
KIRKWOOD, J. M. *see* LOGAN, T. F.
KITTS, C. *see* POLIHONIS, M.
KLARESKOG, L. *see* LARSSON, P.
KLEIMBERG, J. *see* BROWN, J. R.
KLIMEK, M. *see* PTAK, W.
KNOLLE, P. A., UHRIG, A., HEGENBARTH, S., LÖSER, E., SCHMITT, E., GERKEN, G. & LOHSE, A. W. IL-10 down-regulates T cell activation by antigen-presenting liver sinusoidal endothelial cells through decreased antigen uptake via the mannose receptor and lowered surface expression of accessory molecules, 427
KOENE, H. R. *see* MULLER KOBOLD, A. C.
KOJI, T. *see* NAKAMURA, H.
KONING, F. *see* TEN DAM, M.
KOY, Y. *see* TEN DAM, M.
KRUIZE, Y. C. M. *see* DE BOER, B. A.

- KUCHARZIK, T. *see* LÜGERING, N.
 KUIJPER, E. J. *see* FIJEN, C. A. P.
 KUIJPER, E. J. *see* PRINS, J. M.
 KUMAR, A., ANGEL, J. B., DAFTARIAN, M. P., PARATO, K., CAMERON, W. D., FILION, L. & DIAZ-MITOMA, F. Differential production of IL-10 by T cells and monocytes of HIV-infected individuals: association of IL-10 production with CD28-mediated immune responsiveness, 78
 LABRADOR, M., ALGUERO, A., DIAZ, C., GELI, C., PÉREZ, E., GARCÍA-VALERO, J., RODRIGUEZ-SANCHEZ, J. L. & GELPI, C. Antibodies against a novel nucleolar and cytoplasmic antigen (p105-p42) present in the sera of patients with a subset of rheumatoid arthritis (RA) with signs of scleroderma, 301
 LAHAT, N. *see* SHAPIRO, S.
 LANCELLA, L. *see* MASTROIANNI, C. M.
 LARSSON, P., MATTSSON, L., KLAESKOG, L. & JOHNSON, C. A vitamin D analogue (MC 1288) has immunomodulatory properties and suppresses collagen-induced arthritis (CIA) without causing hypercalcaemia, 277
 LAUW, F. N. *see* PRINS, J. M.
 LAZZARIN, A. *see* RIZZARDI, G. P.
 LEAL, M. *see* MEDRANO, F. J.
 LICHTNER, M. *see* MASTROIANNI, C. M.
 LINDQUIST, L. *see* BAKHIET, M.
 LINK, H. *see* BAKHIET, M.
 LISSEN, E. *see* MEDRANO, F. J.
 LOGAN, T. F., BANNER, B., RAO, U., ERNSTOFF, M. S., WOLMARK, N., WHITESIDE, T. L., MIKETIC, L. & KIRKWOOD, J. M. Inflammatory cell infiltrate in a responding metastatic nodule after vaccine-based immunotherapy, 347
 LOHSE, W. *see* KNOLLE, P. A.
 LOPES, J. D. *see* SOUZA, A. R.
 LOVEJOY, M. *see* WANG, S.-Z.
 LÖSER, E. *see* KNOLLE, P. A.
 LÜGERING, N., KUCHARZIK, T., GÖCKEL, H., SÖRG, C., STOLL, R. & DOMSCHKE, W. Human intestinal epithelial cells down-regulate IL-8 expression in human intestinal microvascular endothelial cells; role of transforming growth factor-beta 1 (TGF- β 1), 377
 MACEDO, M. S. *see* FAQUIM-MAURO, E. L.
 MACH, J.-P. *see* EBERL, G.
 MAJCHER, P. *see* PTAK, W.
 MANDAL, C. *see* CHATTERJEE, M.
 MARIANO, M. *see* SOUZA, A. R.
 MARINI, M. *see* BROWN, J. R.
 MARRIOTT, J. B. *see* RIZZARDI, G. P.
 MASTROIANNI, C. M., LANCELLA, L., MENGONI, F., LICHTNER, M., SANTOPADRE, P., D'AGOSTINO, C., TICCA, F. & VULLO, V. Chemokine profiles in the cerebrospinal fluid (CSF) during the course of pyogenic and tuberculous meningitis, 210
 MASUMOTO, T. *see* YAMAMOTO, K.
 MATTOLI, S. *see* BROWN, J. R.
 MATTSSON, L. *see* LARSSON, P.
 MAZZETTI, I. *see* GRIGOLO, B.
 MCKAY, P. J. *see* COPELAND, K. F. T.
 MEARIN, M. L. *see* TEN DAM, M.
 MEDRANO, F. J., REY, C., LEAL, M., CAÑAVATE, C., RUBIO, A., SÁNCHEZ-QUIJANO, A., ALVAR, J. & LISSEN, E. Dynamics of serum cytokines in patients with visceral leishmaniasis and HIV-1 co-infection, 403
 MELICONI, R. *see* GRIGOLO, B.
 MENGONI, F. *see* MASTROIANNI, C. M.
 MESANDER, G. *see* MÜLLER KOBOLD, A. C.
 MESCH, F. *see* SARUGERI, E.
 MEUWISSEN, S. G. M. *see* DIELEMAN, L. A.
 MIELI-VERGANI, G. *see* PELLI, N.
 MIGITA, K. *see* NAKAMURA, H.
 MIKETIC, L. *see* LOGAN, T. F.
 MOCKRIDGE, C. I., CHAPMAN, C. J., SPELLERBERG, M. B., SHETH, B., FLEMING, T. P., ISENBERG, D. A. & STEVENSON, F. K. Sequence analysis of V α ₃₄-encoded antibodies from single B cells of two patients with systemic lupus erythematosus (SLE), 129
 MONESTIER, M. *see* BAGENSTOSE, L. M.
 MONTALTO, G. *see* DI BONA, D.
 MOORE, D. A. J., HENDERSON, D. & GAZZARD, B. G. Neutrophil adhesion molecules in HIV disease, 73
 MOOSIG, F., CSERNOK, E., WANG, G. & GROSS, W. L. Costimulatory molecules in Wegener's granulomatosis (WG): lack of expression of CD28 and preferential up-regulation of its ligands B7-1 (CD80) and B7-2 (CD86) on T cells, 113
 MORAES, J. Z. *see* SOUZA, A. R.
 MORGAN, A. P. *see* O'HARA, A. M.
 MORGAN, B. P. & ORREN, A. Vaccination against meningococcus in complement-deficient individuals, 327
 MOUTSOPOULOS, H. M. *see* POLIHONIS, M.
 MÜLLER, F. *see* NORDOY, I.
 MÜLLER KOBOLD, A. C., MESANDER, G., STEGEMAN, C. A., KALLENBERG, C. G. M. & COHEN TERVAERT, J. W. Are circulating neutrophils intravascularly activated in patients with anti-neutrophil cytoplasmic antibody (ANCA)-associated vasculitides?, 491
 MÜLLER KOBOLD, A. C., ZULSTRA, J. G., KOENE, H. R., DE HAAS, M., KALLENBERG, C. G. M. & COHEN TERVAERT, J. W. Levels of soluble Fc γ RIII correlate with disease severity in sepsis, 220
 MULLER, C. P. *see* DEMOTZ, S.
 MUSTAFA, M. *see* BAKHIET, M.
 NAGAFUCHI, H. *see* WAKISAKA, S.
 NAHMIA, J. *see* KALINKOVICH, A.
 NAKAMURA, H., KOJI, T., TOMINAGA, M., KAWAKAMI, A., MIGITA, K., KAWABE, Y., NAKAMURA, T., SHIRABE, S. & EGUCHI, K. Apoptosis in labial salivary glands from Sjögren's syndrome (SS) patients: comparison with human T lymphotropic virus-I (HTLV-I)-seronegative and -seropositive SS patients, 106
 NAKAMURA, T. *see* NAKAMURA, H.
 NAKATANI, K. *see* TAKATA, Y.
 NANDA, N. K. *see* CORMAN, J. M.
 NIELSEN, S. D., AFZELIUS, P., ERSBOLL, A. K., NIELSEN, J. O. & HANSEN, J.-E. S. Expression of the activation antigen CD69 predicts functionality of *in vitro* expanded peripheral blood mononuclear cells (PBMC) from healthy donors and HIV-infected patients, 66
 NEWTON, J. J. *see* COPELAND, K. F. T.
 NIELSEN, J. O. *see* NIELSEN, S. D.
 NORDOY, I., MÜLLER, F., AUKRUST, P. & FRÖLAND, S. S. Adhesion molecules in common variable immunodeficiency (CVID)—a decrease in L-selectin-positive T lymphocytes, 258
 NÚÑEZ-ROLDÁN, A. *see* GARCÍA-LOZANO, J. R.
 O'HARA, A. M., FERNIE, B. A., MORGAN, A. P., WILLIAMS, Y. E., CONNAUGHTON, J. J., ORREN, A. & HOBART, M. J. C7 deficiency in an Irish family: a deletion defect which is predominant in the Irish, 355
 OCKLITZ, E. *see* ROTH-ISIGKEIT, A.
 OGATA, A. *see* IWASAKI, T.
 OLSSON, H. *see* CARLSEN, S.
 ONJI, M. *see* YAMAMOTO, K.
 ORREN, A. *see* MORGAN, B. P.
 ORREN, A. *see* O'HARA, A. M.
 PALMEN, M. J. H. J. *see* DIELEMAN, L. A.
 PARATO, K. *see* KUMAR, A.
 PASTORE, M. R. *see* SARUGERI, E.
 PEARSON, J. D. *see* DENTON, C. P.
 PELLI, N., FENSOM, A. H., SLADE, C., BOA, F., MIELI-VERGANI, G. & VERGANI, D. Argininosuccinate lyase: a new autoantigen in liver disease, 455
 PEÑA, A. S. *see* DIELEMAN, L. A.
 PEÑA, S. *see* TEN DAM, M.
 PETIT-PHAR, M. *see* ROSTOKER, G.
 PÉREZ, E. *see* LABRADOR, M.
 PILATTE, Y. *see* ROSTOKER, G.
 PIZZARIELLO, G. *see* SASIAIN, M. DEL C.
 PODDA, M. *see* INVERNIZZI, P.
 POLIHONIS, M., TAPINOS, N. I., THEOCHARIS, S. E., ECONOMOU, A., KITTAS, C. & MOUTSOPOULOS, H. M. Modes of epithelial cell death and repair in Sjögren's syndrome (SS), 485
 PRAMANIK, N. *see* CHATTERJEE, M.
 PRINS, J. M., LAUW, F. N., DERKX, B. H. F., SPEELMAN, P., KUIJPER, E. J., DANKERT, J. & VAN DEVENTER, S. J. H. Endotoxin release and cytokine production in acute and chronic meningococcaemia, 215
 PTAK, M. *see* PTAK, W.

- PTAK, W., KLIMEK, M., BRYNIARSKI, K., PTAK, M. & MAJCHER, P. Macrophage function in alloxan diabetic mice: expression of adhesion molecules, generation of monokines and oxygen and NO radicals, 13
- RAO, U. *see* LOGAN, T. F.
- REDDY, R. K., XIA, Y., HANIKÝROVÁ, M. & ROSS, G. D. A mixed population of immature and mature leucocytes in umbilical cord blood results in a reduced expression and function of CR3 (CD11b/CD18), 462
- REIMANN, J. *see* BREGENHOLT, S.
- REY, C. *see* MEDRANO, F. J.
- RIDINGS, J., DINAN, L., WILLIAMS, R., ROBERTON, D. & ZOLA, H. Somatic mutation of immunoglobulin V_H6 genes in human infants, 33
- RIZZARDI, G. P., MARRIOTT, J. B., COOKSON, S., LAZZARIN, A., DALGLEISH, A. G. & BARCELLINI, W. Tumour necrosis factor (TNF) and TNF-related molecules in HIV-1⁺ individuals: relationship with *in vitro* Th1/Th2-type response, 61
- ROBERTON, D. *see* RIDINGS, J.
- RODRIGUEZ-SANCHEZ, J. L. *see* GARCÍA-LOZANO, J. R.
- RODRIGUEZ-SANCHEZ, J. L. *see* LABRADOR, M.
- RODRÍGUEZ, R. *see* GARCÍA-LOZANO, J. R.
- ROSENTHAL, K. L. *see* COPELAND, K. F. T.
- ROSS, G. D. *see* REDDY, R. K.
- ROSTOKER, G., RYMER, J.-C., BAGNARD, G., PETIT-PHAR, M., GRIUNCELLI, M. & PILATTE, Y. Imbalances in serum proinflammatory cytokines and their soluble receptors: a putative role in the progression of idiopathic IgA nephropathy (IgAN) and Henoch-Schönlein purpura nephritis, and a potential target of immunoglobulin therapy?, 468
- ROTH-ISIGKEIT, A., SCHWARZENBERGER, J., v. BORSTEL, T., GEHRING, H., OCKLITZ, E., WAGNER, K., SCHMUCKER, P. & SEYFARTH, M. Perioperative cytokine release during coronary artery bypass grafting in patients of different ages, 26
- RUBIO, A. *see* MEDRANO, F. J.
- RYMER, J.-C. *see* ROSTOKER, G.
- SAHA, S. K. *see* CHATTERJEE, M.
- SAITO, H. *see* WAKAYAMA, H.
- SAITO, N. *see* WAKISAKA, S.
- SAKANE, T. *see* WAKISAKA, S.
- SALGAME, P. *see* BAGENSTOSE, L. M.
- SALMAN, N. *see* SHAPIRO, S.
- SANTOPADRE, P. *see* MASTROIANNI, C. M.
- SARUGERI, E., DOZIO, N., BELLONI, C., MESCHI, F., PASTORE, M. R. & BONIFACIO, E. Autoimmune responses to the β cell autoantigen, insulin, and the *INS* VNTR-*IDD2* locus, 370
- SASIAIN, M., DEL C., DE LA BARRERA, S., FINK, S., FINIASZ, M., ALEMÁN, M., FARIÑA, M. H., PIZZARIELLO, G. & VALDEZ, R. Interferon-gamma (IFN- γ) and tumour necrosis factor-alpha (TNF- α) are necessary in the early stages of induction of CD4 and CD8 cytotoxic T cells by *Mycobacterium leprae* heat shock protein (hsp) 65 kD, 196
- SATO, J. *see* SOUZA, A. R.
- SAURWEIN-TESSL, M., ZISTERER, K., SCHMITT, T. L., GLÜCK, R., CRYZ, S. & GRUBECK-LOEBENSTEIN, B. While virus influenza vaccine activates dendritic cells (DC) and stimulates cytokine production by peripheral blood mononuclear cells (PBMC) while subunit vaccines support T cell proliferation, 271
- SÁNCHEZ-QUIDANO, A. *see* MEDRANO, F. J.
- SCHMITT, E. *see* KNOLLE, P. A.
- SCHMITT, T. L. *see* SAURWEIN-TESSL, M.
- SCHMUCKER, P. *see* ROTH-ISIGKEIT, A.
- SCHNEIDER, P. *see* EBERL, G.
- SCHÖPE, E. *see* TERMEER, C. C.
- SCHWARZENBERGER, J. *see* ROTH-ISIGKEIT, A.
- SEKI, S. *see* HALDER, R. C.
- SEKI, S. *see* TAKATA, Y.
- SEKINE, I. *see* TAKATA, Y.
- SERCARZ, E. E. *see* CORMAN, J. M.
- SEYFARTH, M. *see* ROTH-ISIGKEIT, A.
- SHAHID, F. *see* HUSSAIN, R.
- SHAPIRO, S., GERSHTEIN, V., ELIAS, N., ZUCKERMAN, E., SALMAN, N. & LAHAT, N. mRNA cytokine profile in peripheral blood cells from chronic hepatitis C virus (HCV)-infected patients: effects of interferon-alpha (IFN- α) treatment, 55
- SHETH, B. *see* MOCKRIDGE, C. I.
- SHI-WEN, X. *see* DENTON, C. P.
- SHIMOKATA, K. *see* WAKAYAMA, H.
- SHIMOYAMA, Y. *see* WAKISAKA, S.
- SHIRABE, S. *see* NAKAMURA, H.
- SILVESTRIS, F. *see* FRASSANITO, M. A.
- SILVESTRIS, N. *see* FRASSANITO, M. A.
- SIMON, J. C. *see* TERMEER, C. C.
- SLADE, C. *see* PELLI, N.
- SMITH, P. K. *see* WANG, S.-Z.
- SORG, C. *see* LÜGERING, N.
- SOUZA, A. R., GESZTESI, J.-L., MORAES, J. Z., CRUZ, C. R. B., SATO, J., MARIANO, M. & LOPES, J. D. Evidence of idiotype modulation in the immune response to gp43, the major antigenic component of *Paracoccidioides brasiliensis* in both mice and humans, 40
- SPECKS, U. *see* SUN, J.
- SPEELMAN, P. *see* PRINS, J. M.
- SPELLERBERG, M. B. *see* MOCKRIDGE, C. I.
- STEGEMAN, C. A. *see* MÜLLER-KOBOLD, A. C.
- STEIN, M. *see* KALINKOVICH, A.
- STEVENSON, F. K. *see* MOCKRIDGE, C. I.
- STOLL, R. *see* LÜGERING, N.
- SUGANE, K. *see* HOKIBARA, S.
- SUN, G. *see* BROWN, J. R.
- SUN, J., FASS, D. N., VISS, M. A., HUMMEL, A. M., TANG, H., HOMBURGER, H. A. & SPECKS, U. A proportion of proteinase 3 (PR3)-specific anti-neutrophil cytoplasmic antibodies (ANCA) only react with PR3 after cleavage of its N-terminal activation dipeptide, 320
- SUTTON, A. *see* DENTON, C. P.
- SUZUKI, N. *see* WAKISAKA, S.
- SVENSSON, L. *see* TAUBE, M.
- TAKAMOTO, M. *see* HOKIBARA, S.
- TAKATA, Y., SEKI, S., DOBASHI, H., TAKESHITA, K., NAKATANI, K., KAMEZAWA, Y., HIRAIDE, H., SEKINE, I. & YOSHIOKA, S. Inhibition of IL-12 synthesis of peripheral blood mononuclear cells (PBMC) stimulated with a bacterial superantigen by pooled human immunoglobulin: implications for its effect on Kawasaki disease (KD), 311
- TAKEBA, Y. *see* WAKISAKA, S.
- TAKENO, M. *see* WAKISAKA, S.
- TAKESHITA, S. *see* TAKATA, Y.
- TANG, H. *see* SUN, J.
- TAPINOS, N. I. *see* POLIHONIS, M.
- TARGOFF, I. N. *see* GARCÍA-LOZANO, J. R.
- TAUBE, M., SVENSSON, L. & CARLSTEN, H. T lymphocytes are not the target for estradiol-mediated suppression of DTH in reconstituted female severe combined immunodeficient (SCID) mice, 147
- TEELING, J. L., DE GROOT, E. R., EERENBERG, A. J. M., BLEEKER, W. K., VAN MIERLO, G., AARDEN, L. A. & HACK, C. E. Human intravenous immunoglobulin (IVIG) preparations degranulate human neutrophils *in vitro*, 264
- TEN DAM, M., VAN DE WAL, Y., MEARIN, M. L., KOOY, Y., PEÑA, S., DRJFHOUT, J. W., KONING, F. & VAN TOL, M. Anti- α -gliadin antibodies (AGA) in the serum of coeliac children and controls recognize an identical collection of linear epitopes of α -gliadin, 189
- TERMEER, C. C., WEISS, J. M., SCHÖPE, E., VANSCHIEDT, W. & SIMON, J. C. The low molecular weight Dextran 40 inhibits the adhesion of T lymphocytes to endothelial cells, 422
- THEOCHARIS, S. E. *see* POLIHONIS, M.
- TICCA, F. *see* MASTROIANNI, C. M.
- TOMINAGA, M. *see* NAKAMURA, H.
- UHRIG, A. *see* KNOLLE, P. A.
- V. BORSTEL, T. *see* ROTH-ISIGKEIT, A.
- VALDEZ, R. *see* SASIAIN, M. DEL C.
- VAN DE WAL, Y. *see* TEN DAM, M.
- VAN DEVENTER, S. J. H. *see* PRINS, J. M.
- VAN LEEUWEN, Y. *see* FIEN, C. A. P.
- VAN MIERLO, G. *see* TEELING, J. L.
- VAN REIS, E. P. *see* DIELEMAN, L. A.
- VAN TOL, M. *see* TEN DAM, M.
- VANSCHIEDT, W. *see* TERMEER, C. C.
- VERGANI, D. *see* PELLI, N.
- VISS, M. A. *see* SUN, J.
- VULLO, V. *see* MASTROIANNI, C. M.

- WAGNER, P. *see* ROTH-ISIGKEIT, A.
- WAKAYAMA, H., HASEGAWA, Y., KAWABE, T., SAITO, H., KIKUTANI, H. & SHIMOKATA, K. IgG-mediated anaphylaxis via FC γ receptor in CD40-deficient mice, 154
- WAKISAKA, S., SUZUKI, N., TAKEBA, Y., SHIMOYAMA, Y., NAGAFUCHI, H., TAKENO, M., SAITO, N., YOKOE, T., KANEKO, A., ASAI, T. & SAKANE, T. Modulation by proinflammatory cytokines of Fas/Fas ligand-mediated apoptotic cell death of synovial cells in patients with rheumatoid arthritis (RA), 119
- WANG, G. *see* MOOSIG, F.
- WANG, S.-Z., SMITH, P. K., LOVEJOY, M., BOWDEN, J. J., ALPERS, J. H. & FORSYTH, K. D. The apoptosis of neutrophils is accelerated in respiratory syncytial virus (RSV)-induced bronchiolitis, 49
- WATANABE, H. *see* HALDER, R. C.
- WATSON, P. F. *see* KEMP, E. H.
- WEERASINGHE, A. *see* HALDER, R. C.
- WEETMAN, A. P. *see* KEMP, E. H.
- WEISMAN, Z. *see* KALINKOVICH, A.
- WEISS, J. M. *see* TERMEER, C. C.
- WHITESIDE, T. L. *see* LOGAN, T. F.
- WICHMANN, I. *see* GARCÍA-LOZANO, J. R.
- WILKINSON, R. J. *see* AGREWALA, J. N.
- WILLIAMS, R. O. Rodent models of arthritis: relevance for human disease, 330
- WILLIAMS, R. *see* RIDINGS, J.
- WILLIAMS, Y. E. *see* O'HARA, A. M.
- WOLMARK, N. *see* LOGAN, T. F.
- XIA, Y. *see* REDDY, R. K.
- YAMAMOTO, K., FAZLE AKBAR, SK. MD., MASUMOTO, T. & ONJI, M. Increased nitric oxide (NO) production by antigen-presenting dendritic cells is responsible for low allogeneic mixed leucocyte reaction (MLR) in primary biliary cirrhosis (PBC), 94
- YAZDANBAKHSH, M. *see* DE BOER, B. A.
- YOKOE, T. *see* WAKISAKA, S.
- YOSHIOKA, S. *see* TAKATA, Y.
- YU, Z. *see* EBERL, G.
- ZAFAR, S. *see* HUSSAIN, R.
- ZERMIANI, P. *see* INVERNIZZI, P.
- ZHU, J. *see* BAKHET, M.
- ZIJLSTRA, J. G. *see* MULLER KOLBOLD, A. C.
- ZISTERER, K. *see* SAUERWEIN-TEISSEL, M.
- ZOLA, H. *see* RIDINGS, J.
- ZUCKERMAN, E. *see* SHAPIRO, S.
- ZUIN, M. *see* INVERNIZZI, P.

Subject Index

- 10-kD recombinant antigen, 204
16 kD antigen, 392
- adhesion assay, 422
adhesion molecule, 73
adhesion molecules, 13, 236, 258, 491
adoptive immunotherapy, 347
affinity maturation, 33
age, 26
airway allergy, 137
aminoacyl-tRNA synthetase, 161
analogue, 277
anaphylaxis, 154
ANCA, 491
animal model, 236
anti-DNA, 129
anti- α -gliadin antibodies, 189
anti-liver cytosol antibody type 1, 455
anti-neutrophil cytoplasmic antibodies, 320
anti-nucleolar antibodies, 9, 301
antibody isotype, 245
antibody response, 33
antigen processing and presentation, 228
antigenic determinant, 166
antimitochondrial antibody, 448
antimonial unresponsiveness, 408
APACHE, 220
apoptosis, 49, 106, 119, 485
argininosuccinate lyase, 455
Ascaris suum, 245
asthma, 137
autoantibodies, 301, 339, 448
autoantibody, 370, 398
autoantigen, 333
autocrine differentiation, 1
autoimmune cholangitis, 448
autoimmune hepatitis, 455
autoimmunity, 9, 161, 333, 477
autologous tumour vaccine, 347
- B cell hybridoma, 1
B cell lymphoma, 173
B cells, 129
B7, 113
bacterial meningitis, 398
bronchiolitis, 49
- C7 deficiency, 355
c-kit⁺ stem cells, 434
carbonic anhydrase, 448
cardiac surgery, 26
cartilage, 477
CD19, 173
CD28, 78, 113
CD30 antigen, 61
CD4 T cell, 166
CD4⁺ T cell, 173
CD40, 154
CD69, 66
CD8 T cell, 166
CD8⁺ T cell, 87
CD80, 427
CD86, 427
cell-mediated immunity, 370
cellular factors/cytokines, 61
cerebrospinal fluid, 210
- chemokines, 137, 210
Child-Pugh, 102
chronic immune activation, 414
chronic meningococcaemia, 215
co-culture, 293
coeliac disease, 189
colitis, 385
committed B cells, 252
common variable immunodeficiency, 258
complement, 355, 362
complement receptors, 462
costimulatory molecules, 113
cross-reactive, 204
CSF, 398
CTL, 196
cytokine, 26, 245, 398
cytokines, 55, 119, 215, 271, 284, 403
cytotoxicity, 173
- dendritic cells, 94, 271
dextran sulphate, 385
diabetes, 13
different vaccines, 271
disease progression, 61
DNA markers, 355
DTH, 147
- elastase, 264
ELISA, 161, 189
endogenous IL-6, 1
endothelial cells, 377, 422
endothelium, 293
endotoxin, 215
eosinophilic myocarditis, 236
eosinophils, 137
eotaxin, 137
epithelial cells, 377, 485
epitope mapping, 339
Ethiopian immigrants, 414
experimental animal models, 477
experimental arthritis, 277
expression cDNA library, 161
extrathymic T cells, 434
- Fas, 106, 173, 179
Fas ligand, 106, 179
Fc receptor, 264
Fc γ receptor, 154
fibroblast, 293
flow cytometry, 491
- gene therapy, 66
genetic defects, 355
genetics, 370
gp100, 333
gp43, 40
- helminth infection, 414
helminths, 252
Henoch-Schönlein syndrome, 468
hepatitis C virus, 55
hepatocellular carcinoma, 102
HIV, 66, 73, 87
HIV-1, 78, 403
HIV-1 infection, 61
hsp65-*M. leprae*, 196

- human, 166
human infection, 40
human T cells, 228
hypercalcaemia, 277
- idiopathic pulmonary fibrosis, 339
idiotypic network, 40
IgA nephropathy, 468
IgG, 154
IgG subclasses, 408
IgG4, 252
IL-1 β , 26
IL-10, 26, 61, 78
IL-12, 311
IL-13, 252
IL-2, 347
IL-2R, 26
IL-4, 9, 252, 385
IL-6, 26, 179
IL-8, 377
immune regulation, 427
immune system, 271
immunoglobulin, 19
immunoglobulin genes, 33
immunoglobulin therapy, 468
immunomodulation, 277
immunosuppression, 245
in vitro sensitization, 347
infection, 462
inflammatory bowel disease, 19
influenza, 271
insulin, 370
integrins, 462
interferon-alpha therapy, 55
interferon-gamma, 196, 311, 385, 403
intravenous immunoglobulins, 264
- kala-azar, 408
Kawasaki disease, 311
- lactoferrin, 264
leprosy, 204
leucocytes, 210
liver, 434
liver disease, 102
local immune response, 427
lymphocyte expansion, 66
- macrophage, 87
macrophages, 13, 147
mannose receptor, 427
mbTNF- α , 61
measles virus, 228
meningitis, 210
meningococci, 215, 362
mercury, 9
MHC, 477
MHC class II, 228, 427
mice, 385
monoclonal antibodies, 40
monokines, 13
MRL/MP-lpr/lpr, 1
mucosal immunity, 19
multiple myeloma, 179
- N-terminal propeptide, 320
Neisseria meningitidis, 355, 362
neonatology, 462
neutrophil, 49, 73, 220
neutrophil activation, 491
neutrophils, 264, 462
nitric oxide, 94
NK cells, 434
NK T cells, 434 oestrogen, 147
- oestrogen, 147
paediatric immunology, 33
Paracoccidioides brasiliensis, 40
passive immunotherapy, 284
peptide binding, 228
peptides, 392
perioperative, 26
pertussis toxin, 87
phagocytosis, 362
PL-12 autoantibodies, 161
plasma cell, 179
Pmel17, 333
pooled human immunoglobulin, 311
primary biliary cirrhosis, 94, 448
proliferation, 66
properdin, 362
prostate cancer, 166
PSA, 166
PSM, 166
- radicals, 13
recombinant proteinase 3, 320
regeneration, 485
regulation, 49
renal cell cancer, 347
replication, 87
respiratory syncytial virus, 49
rheumatoid arthritis, 119, 284, 301, 477
ribosomal biogenesis, 301
- scid mice, 19
SCID mice, 147
scleroderma, 293, 301
sepsis, 215, 220, 491
single cells, 129
SIRS, 220
Sjögren's syndrome, 106, 485
soluble CD30, 61
soluble CR1, 102
soluble Fc γ RIII, 220
somatic hypermutation, 33
Streptococcus pyrogenic exotoxin A, 311
synthetic antibodies, 189
systemic lupus erythematosus, 129
systemic sclerosis, 293
- T cell, 284, 347
T cell activation, 258
T cell epitopes, 204
T cell repertoire, 166
T cell subsets, 414
T cells, 271, 422
T lymphocytes, 147
target antigen, 320
TGF- β 1, 377
Th1 and Th2 clones, 392
TNF soluble receptors, 468
TNF- α , 61
topoisomerase II, 339
Toxocara canis, 236
treatment, 277
tuberculosis, 392
tumour necrosis factor, 26
tumour necrosis factor-alpha, 196, 403, 468
type 1 diabetes, 370
type 1 hypersensitivity reaction, 154
- V-genes, 129
vaccination, 362
vasculitis, 491
V α 6, 33
visceral leishmaniasis, 408
vitamin D3, 277
vitiligo, 333
Wegener's granulomatosis, 113